

Glass in building - Assessment of release of dangerous substances - Determination of emissions into indoor air from glass products

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

**Glass in building - Assessment of release of dangerous
substances - Determination of emissions into indoor air
from glass products**

Verre dans la construction - Évaluation de l'émission
de substances dangereuses - Détermination des
émissions par les produits verriers dans l'air intérieur

Glas im Bauwesen - Beurteilung der Freisetzung
gefährlicher Stoffe - Bestimmung von Emissionen in
die Innenraumlufte aus Glasprodukten

This European Standard was approved by CEN on 8 February 2021.

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European foreword

This document (EN 17416:2021) has been prepared by Technical Committee CEN/TC 129 “Glass in building”, the secretariat of which is held by NBN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2021, and conflicting national standards shall be withdrawn at the latest by September 2021.

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Introduction

This document provides specific rules for flat glass products used in buildings to support the assessment of release of dangerous substances into indoor air.

This document aims at complementing the general rules established in EN 16516:2017+A1:2020, by providing additional detailed rules on technical aspects specific to the glass products.

1 Scope

This document provides specific rules for the assessment of the release on dangerous substances from glass products into indoor air of buildings in complement to the horizontal rules given in EN 16516.

This document addresses specifically products as mentioned in TC 129 Mandate - M135 Amendment 1 EN (2012), i.e. products covered by the following European Standards: EN 1036-2 and EN 16477-2¹. However, this document can also be applied to other glass products containing volatile organic compounds (VOC) such as: EN 1279-5, EN 15755-1 and EN 14449. Glass products that do not contain organic compounds are not in the scope of this document (see Annex A).

This document addresses the release of dangerous substances into indoor air from construction products, although it can also be applied to glass products used in other applications such as furniture.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 16516:2017+A1:2020, *Construction products: Assessment of release of dangerous substances - Determination of emissions into indoor air*

EN ISO 12543-1, *Glass in building - Laminated glass and laminated safety glass - Part 1: Definitions and description of component parts (ISO 12543-1)*

EN ISO 12543-2, *Glass in building - Laminated glass and laminated safety glass - Part 2: Laminated safety glass (ISO 12543-2)*

EN ISO 12543-3, *Glass in building - Laminated glass and laminated safety glass - Part 3: Laminated glass (ISO 12543-3)*

EN ISO 16000-11, *Indoor air - Part 11: Determination of the emission of volatile organic compounds from building products and furnishing - Sampling, storage of samples and preparation of test specimens (ISO 16000-11)*

3 Terms, definitions and abbreviations

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 16516 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.2 Abbreviations

For the purposes of this document, the following abbreviations apply.

VOC volatile organic compound